RABBY KILLED SEXEN TIMES BROUGHT BACK TO LIFE DACTI TIME WITH WOND

WHAT THE RESPIRATOR ALREADY HAS DONE.

Brought rabbit to life seven times after its heart had ceased to beat. Revived other rabbits and dogs pronounced dead after being poisoned and asphyxiated.

WHAT INVENTOR POE CLAIMS IT CAN DO.

Resuscitate men killed by asphyxiation, poison, or drowning. Prevent death of patients under influence of anesthetics while being operated upon

Prevent "infant asphyxia" at birth. Make drunken men sober in a few minutes.

Revive men electrocuted or hanged-in the latter case where the nech has not been broken Prevent Arctic explorers from freezing to death.

breathe for you! A scientific invention dogs and rabbits pronounced dead Ilkewise resuscitate dead men!

telegraph and telephone in importance and be of more real value to humanity than Dr. Horace Wells' discovery of anesthetics, is the patented creation of the brain of a Washington man, Prof. George Poe, who, by the way, is a second cousin of the poet, Edgar Allan

Not the least interesting feature of Prof. Poe's invention is the fact that a mere ten-year-old lad, and hands for the almost sightless and hands for the almost sightless

The demonstration was in the operat- his system, and mind and body once and semi-paralyzed scientist in the ing room of the doctor's private office, more would resume their normal state. construction of the device.

液 旅 Discovered by Accident.

Prof. Pce, who for long had been studying on the problem, "When does life really leave the body," was led to the invention of his marvelous machine

It was when he was illuminating the Centannial of 1876. One of his employes brought in a rat trap containing a huge rat. After the rodent had been killed, the erofessor, moved with pity, suddenly said:

"Stend aside, boys, and I will bring

The men only laughed, but the professor worked over the rat, pumping oxygen into its lungs, until he actually did revive it to the extent that it leaped from the table and escaped into a ole.

that he redoubled his efforts to find out death sets in. Itis interest in the question was stimulated by the fact that he had a younger sister who had been proconneed dead from typhoid fever and placed in her coffin but had revived to discover signs of life. No life was within two hours of the time set for her there and the doctors with one accord

So Prof. Poe gave especial attention to the danger of burying persons alive while they might be merely in a trance,

提 提 Lad as Inventor's Aid.

It was several years ago that Prof. Poe, when stricken with paralysis, was taneous movement of the valves, within the farm of his friend, A. C. Ostrander, room. He showed no effect of nausea. that he evolved his artificial respira; tion apparatus. The boy Arthur, of whom the professor was fond, assisted of the system. in assembling the model and in doing in a box containing a heavily charged

practical.

focated or dead through ill advised use beating normally. of anesthetics, the only practical way was to remove the fluid, or the poisonous gases in the lungs at the same time the life-giving oxygen was pumped in, two tubes to connect the nestrils-one the inventor claims, makes anesthetics ing the action of the heart, he saw that can be sustained until the system reit was that of a couble cyclinder, or gains its ordinary power of respiration. rather two cyclinders, right and left Prof. Poe does not claim for his inven-

each having an inlet and an outlet life,

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The plungers of each cylinder are tate drowned persons, those strangled or made to work simultaneously. Scien- smothered to death. tists who have examined the apparatus An effort is to be made to operate the my that it is the only possible mech- machine on some person who may be

a simple machine with two cyclinders, supply the vital power and give eternal

Exhibited His Plans. that actually has Thomas Black, a retired man of busi- the anatomy of animals is similar brought back to life ness in Berkley, Va., on being shown enough, so that what would resusci-

be produced in the supposed dead.

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portunity arises

This innovation into medical jurispru-

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Can Sober Drunken Men.

Another important work can be done

by artificial respiration: that of sobering

in a very few minutes drunken men who

have fallen into stupor. It is, of course,

the plans, asked permission to exhibit tate a rabbit would resuscitate a man them to Dr. Francis M. Morgan, a under like circumstances. and which, the inventor claims, can physician of Berkley, who immediately saw what an immense boon to humanity dence will mean that science will aid the discovery proved fair to be. Prof. Inedical sufferers further than ever be-This latest device which, it is Poe had been experimenting with fore. One interesting feature will be claimed, will take rank with the his crude model on rabbits and other the part it will take in the prevention animals, and had succeeded in resus- of death at birth through what is known as "infant asphyxsia," or strangulation

Dr. Morgan induced the professor to through weakness of the respiratory ordemonstrate before a committee of gans. By the aid of the machine they Berkley and Norfolk doctors, who wit. will breath artificially until the heart nessed the smothering of rabbits and is strengthened to perform its part and dogs to the point of what they declared thus thousands of children yearly will on their professional honor was abso- escape death at birth. lutely death. Prof. Poe then applied his apparatus, and in a very short time the rabbits and dogs were alive again and running around. 流 藻

Killing "Socrates."

A Sunday Times representative at- the slow respiration caused by liquor tended a recent interesting demonstra- shat makes a man "drunk" and renders tion of the successful working of Prof. him helpless. Now, by the help of the Arthur Ostrander, acted as eyes Poe's artificial respiration apparatus in respirator, the respiration would be quickened, the poison carried out of Dr. Morgan's olice, in Berkley, Va.

and around the table with Dr. Morgan A curious legal point could be raised were Dr. J. P. Jackson, Prof. George by an experiment, in the case of a Poe, the inventor, Dr. N. G. Wilson, man hanged for murder, for Prof. Poe and a number of other physicians and declares that in case of his neck not scientific men of the City by the Sea. being broken by the fall, he could restore On the operating table was the little him to life. Certainly, then, any murdbrass machine, composed of two small erer on whom the law would permit the

cylinders about a foot high and six respirator to be tried on, could not again inches in circumference, with a pump be hung for the crime, once the doctors handle. This simple mechanism had imprisoned in it the mighty power of life and death. Pipes led from a tank of oxygen to the machine and from it tubes, fitted with nostril pieces were to be fastened to the rabbit.

Socrates, the professor's pretty white rabbit, like Socrates of old, a seeker for the eternal questions of the cause and departure of life, was taken out of his cage and brought into the room. Putting the rabbit on the table, one of the doctors injected two grains of morphine This episode so encouraged Prof. Poe to kill a man unaccustomed to the drug. Then, before he could possibly recover the exact moment when life ends and from the morphine, four ounces of ether were given.

this and the doctors applied every burial, living to have a family, in later declared that life was positively extinct.

况 况 Revived in Six Minutes.

Dr. Wilson to young Ostrander

But Prof. Poe applied the tubes to the rabbit's nostrils, and pumping out the poisons with one cylinder and pumpadvised by his physicians to live in the three minutes the rabbit but lately eountry. He moved to South Norfolk, dead, was breathing naturally and with-Va., and it was while in seclusion on in six minutes was running around the

paisied hands could not alone accom- atmosphere of accepting gas, one to the paisied hands could not alone accom- most poisonous gases known, and smothatmosphere of acetylene gas, one of the The simplest things are ever the best ered there for forty minutes. The dog and Prof. Poe's invention is modeled di- was then taken out and doctors examin rectly after nature, and is eminently ed him and pronounced him dead beyond hope of resuscitation, as they thought. The professor's model is simply that But the little machine got in its wonder work and the dog, after four or He knew that to operate successfully five artificial respirations, began breathso as to revive persons drowned suf- ing naturally, and soon his pulse was

概 媒 Good in Giving Anesthetics.

Anesthetics are dangerous to all but So Prof. Poe began experiments on the perfectly healthy, every physician what he calls double larynx tubes and will admit, but this artificial respiration, for inlet and the other for outlet. Study- perfectly safe, as the action of the heart ventricles and right and left auricles, tion that it possesses infinite power over Then with the assistance of young Os- life, or that after the diseased tissues trander, he built a working model in refuse to work, after the heart is worn line with the construction of the heart- out and broken down, the machine can

But he does claim that it can resusci-

vival by tests made outside the jurisdiction of the jail would not operate to place him again within the reach of the law, for he would be legally dead.

widespread results his machine would. Then, with this machine, they can be be likely to have in regenerating medical made to breathe artificially.

where people blow out the gas, and in desire to breathe MACHINE that can anism whereby normal respiration can drowned or smothered whenever the op- people use the deadly twenty-five centi- that test. Of course, while the machine has not been tried on human beings as yet, still eventually be equipped, and I feel con- artificial respirator will cause heat State will compel every hotel to have the explorers from being frozen

Useful in Coal Mines, narcotic poisons with suicidal intent and In an interview, Prof. Poe spoke of the have gotten past the stage of respiration

"The uses of the machine for resusci- my nostrils, had the apparatus worked tating persons asphyxiated will be the while holding my breath for ten minutes principal item. Coal mines and hotels without feeling any inconvenience, or lodging houses in large cities, where breathing for me. Anyone can make

meter, will increase the demand. Life "Death through freezing is a form of saying stations and ambulances will asphyxlation. La Arctic expeditions the fident that the Legislatures of every through the use of oxygen and save one, the same as they do fire escapes at death. Of course, it goes without saying that all life saving stations wil Another great use will be to resusci- be equipped with the annaratus. And

This is how Prof. Poe, inventor of the artificial respirator, brings back to life dead rabbits. With him at the operating table are Dr. J. P. Jackson, who is holding the rabbit, and Dr. Francis M. Morgan.

believe that it would save thousands distinguished Poe family of the South, ton fire companies. Prof. Poe recently ectly natural use of scientific knowl- and he studied at the University of dge-that of simulating normal respira- Maryland, where he received his B. A. dust as a basis. ion through artificial means."

lives a year. This is done by per- Science early attracted his attention, patented a process of making alcohol He was assistant chemist under Prof. But he is proudest of his latest and Prof. George Poe was born near Rich- Alken, when the latter was State chem- probably his most important inventionond, Va., in 1844. He belongs to the ist of Maryland. While with Prof. the artificial respirator

Prof. George Poe, inventor of the artificial respirator, and Arthur Ostrander, aged ten, who was eyes and hands to the paralyzed scientist.

Aiken he was an expert witness in some famous murder trials, such as the Dr. Paul Schoppl, and the celebrated Whitaker will case. 煤 塩

compressed Oxygen in Cylinders.

He was the first to compress oxygen and hydrogen gases in cylinders for calcium light purposes.

Prof. Poe has made some tific experiments and discoveries and has long been considered expert authority upon the manipulation gases at high pressure. Also he was the first to liquefy nitrous oxide and ompress it in cylinders for dentists and commercial use.

Peroxide of hydrogen in this country was first prepared by him as a commercial product.

With Levi Dederick, of Albany, N. Y. Prof. Poe invented the Gleason and Bayley fire ladder, with toboggan, which is used by one of the Washingby a synthetical process, using marble

VALLEY OF MYSTERY NOW FEDERAL DOMAIN

HE "mysterious valley," as the been taken over by the Gov-ernment and made a part of ational domain. As the result of rave been fixed, incidentally, for the post natural feature becomes at last assured of protection against exploitaion by irreverent seekers after dol irs. It is now a park of the nation' Hitherto, the Yosemite has been ac

essible only by long and tedious tage riding over the mountains. Vithin three mouths from the present date, however, an electric railroad, entering the valley through a canyon at its western end, will be completed; and next spring the tourists who visit the wonderful place will be able to make the trip comfortably by trolley —the requisite electricity for which will be furnished by water power.

The reservation, as now officially outlined, is thirty-two miles in width, from east to west, and forty miles long, from north to south. But the valley itself is only six miles long by half a mile in width. It is sunk just about one mile vertically below the general level of the adjacent region. mbling a gigantic trough of irthe State of California, the Yosemite

In early days the whites in that part of California had a good deal of trou-ble with the Indians, settlers being murdered occasionally, and various outrages committed. It was learned retreat far up in the mountains—a natural stronghold, in which they deemed themselves safe from pursuit or attack-and, curiosity on the sub-ject being excited, a military expedition was organized to explore the region and drive out the Indians. Under the guidance of an old chief. Tenays, whose name is perpetuated in a beautiful lake between Mount. Hofmann and Cathedral peak, the party finally reached the valley, whose wonders they were first of civilized 1852, a party of miners was attacked

been known for many years as the Yosemite park.
Meanwhile a .ew squatters had located homesteads within the boundaries of the park; and there were signs that certain enterprising persons, more interested in money-getting than in natural scenery, were disposed to monopolize all the privileges and organize a system for swindling tourists. Accordingly, as the best means of protecting the Yosemite from such a fate, the State of California arranged to hand over the whole afair to the National hate of California arranged to hand wer the whole affair to the National

the whole after the control of the c

included for the first time in the Yosemite park.

The other route runs from Merced,
on the Atchison railroad, from the west,
and covers about the same distance,
with a half-way house at Coulterville.
Recently, however, the Atchison company applied for permission to build an
electric line, which is now nearly finished. Already it is bringing passengers to within a few miles of the
boundary by train. The Government
will not allow the railroad to cross the

human beings to behold. They killed some of the Indians and made peace. Nevertheless, not long afterward in to the hotel (a distance of five miles).

sent a party out to hunt for the hely of the dead man.

In the valley are a number of very remarkable waterfalls. One of them, the Bridal Veil, has a drop of 700 feet, and seen from a distance, appears to flutter like a white veil. Directly opposite, on the other side of the valley, is Virgin Tears Creek, which makes a clear fall of over 1,000 feet. But mest wonderful of all is the Yosemite Fall, which surpasses in height any other in the world with anything like an equal volume of water. It is fed exclusively by melting snows from the mountains, and in spring, when its volume is greatest, a million and a half cubic feet of water pass over it every hour. The height of its lip above the valley is 2,000 feet, or just about half a mile.

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REAL GEMS ARTIFICIALLY PRODUCED

The cut shows "Socrates," Inventor Poe's pet rabbit, sitting on

Dr. Jackson's lap, just after having been brought to life for the

HEN the De Beers mines in South Africa are ex-hausted-according to the management, in about eleven years-and other sources of natural diamonds are also used up. diamond lovers will still be able to indulge in the purchase of real gems artificially produced. These have nothcommon with the familiar artificial diamonds. They are produced by a mechanical process which reproduces as nearly as possible the condi-tions under which diamonds are crystallized in the bowels of the earth Prof. Moissan, the eminent Paris chemist, has been explaining his method of making real diamonds in He takes absolutely

seventh time by the "respirator."

and mosphorus, and packs it in a carbon crucible with pure charcoal obtained from sugar. This is heated in an electric furnace, the Invention of which alone makes possible the production of the pure gem. The furnace heats the crucible above 7,000 degrees Fahrenheit, at which temperature the iron meles like wax and saturates it-self into the carbon. The crucible is then lifted out and plunged into cold water. The sudden cooling solidities the outer skin, while the iron in the center is still liquid. The process of solidification exerts a tremendous pressure on this central mass, and the result is that the carbon which was soaked up by the molten iron is squeezed out again like water from a sponge, and crystallizes into dia-

pure iron, freed from sulphur, silico-THE WASHINGTON TIMES MAGAZINE